

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2012 Levee Inspection Results****Reclamation District No. 0404 Boggs**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2012 - 3/27/2012			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River				Right	2.36	03/27/2012 03/27/2012	Richard Willoughby	

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	WS	M Ma	Inspector Comments: Talk to Bob Winter of KSN Engineering the new engineer for the district. He indicated that he needed time to collect the information and would have it available at the next inspection.	°	°	3
DWR ID: DWR_RD0404_01_s_2012_3										
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	WS	M Ma		°	°	4
DWR ID: DWR_RD0404_01_s_2012_4										
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	WS	M Ma		°	°	10
DWR ID: DWR_RD0404_01_s_2012_10										
4	0.00	2.35	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	°	°	13 Y
DWR ID: DWR_RD0404_01_s_2012_13										
5	0.00	2.35	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	°	°	14 Y
DWR ID: DWR_RD0404_01_s_2012_14										
6	0.03	0.48	Earthen Levee	Vegetation	LS A/W	Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.941695 ° -121.344917 °	37.939652 ° -121.338373 °	5 Y
DWR ID: DWR_RD0404_01_s_2012_5										
7	0.03	0.20	Earthen Levee	Vegetation	WSA/W	Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.941697 ° -121.344917 °	37.939853 ° -121.343210 °	8 Y
DWR ID: DWR_RD0404_01_s_2012_8										
8	0.21	0.25	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/23/2011: Pockets erosions observed by last survey seem have progressed during the last food season. Continuous monitoring of this site suggested9/07/2010: No significant change observed on site. There is emergent vegetation at the water line. Several pocket erosions lined along the lower slope that stretches from RM 40.86 to RM 41.14.9/30/2009: No major change observed; the site was combined with other existing sites are RM's 40.93, 40.98, and 41.14 as one site; several pocket erosion just above non-uniform toe rip rap; previously rated "U"; bare spots along the upper slope.2008: Possibly caused by wave wash erosion; several pocket erosion along the lower slope; site is inside of a bend.2006: Visited site 09/12/06. [2011 Site ID:RD0404U01RM40.86]	37.939480 ° -121.342730 °	37.939480 ° -121.342730 °	1 Y
DWR ID: DWR_RD0404_01_s_2012_1										
9	0.24	0.27	Earthen Levee	Erosion / Bank Caving	WSA/W	Ma	E1 : Note and monitor erosion site.	37.939430 ° -121.342620 °	37.939430 ° -121.342620 °	6 Y
DWR ID: DWR_RD0404_01_s_2012_6										
10	0.30	0.30	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	37.939420 ° -121.341643 °	37.939420 ° -121.341643 °	105 Y
DWR ID: DWR_RD0404_01_s_2012_105										

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River							Right	2.36	03/27/2012 03/27/2012	Richard Willoughby
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
11	0.45	0.45	Earthen Levee	Vegetation	WSA/W Ma	V2	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove bamboo on waterside toe.	37.939627 ° -121.338808 °	37.939627 ° -121.338808 °	104 Y
DWR ID: DWR_RD0404_01_s_2012_104										
12	0.61	0.61	Earthen Levee	Erosion / Bank Caving	WS Ma	M	E1 : Note and monitor erosion site. Inspector Comments: Erosion cause by runoff.	37.939133 ° -121.336100 °	37.939133 ° -121.336100 °	103 Y
DWR ID: DWR_RD0404_01_s_2012_103										
13	0.75	0.75	Earthen Levee	Vegetation	LS Ma	M	V4 : Elderberries are blocking visibility and flood fight capability.	37.937758 ° -121.334149 °	37.937758 ° -121.334149 °	7 Y
DWR ID: DWR_RD0404_01_s_2012_7										
14	0.96	0.96	Earthen Levee	Vegetation	LS Ma	A/W	V4 : Elderberries are blocking visibility and flood fight capability.	37.935990 ° -121.331600 °	37.935990 ° -121.331600 °	2
DWR ID: DWR_RD0404_01_s_2012_2										
15	1.08	1.08	Earthen Levee	Trim / Thin Trees	WS Ma	M	T1 : Trim trees to at least five feet above ground level.	37.935358 ° -121.329645 °	37.935358 ° -121.329645 °	102
DWR ID: DWR_RD0404_01_s_2012_102										
16	1.20	1.20	Earthen Levee	Vegetation	LS Ma	A/W	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.934058 ° -121.328188 °	37.934058 ° -121.328188 °	101
DWR ID: DWR_RD0404_01_s_2012_101										
17	1.36	1.36	Earthen Levee	Trim / Thin Trees	WSA/W Ma	T1	Trim trees to at least five feet above ground level.	37.931945 ° -121.327150 °	37.931945 ° -121.327150 °	100
DWR ID: DWR_RD0404_01_s_2012_100										
18	1.57	1.67	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.928723 ° -121.327207 °	37.927945 ° -121.325933 °	9
DWR ID: DWR_RD0404_01_s_2012_9										
19	1.63	1.63	Earthen Levee	Slope Stability	WS Ma	M	S1 : Repair slope instability.	37.928208 ° -121.326608 °	37.928208 ° -121.326608 °	12 Y
DWR ID: DWR_RD0404_01_s_2012_12										
20	1.64	1.65	Earthen Levee	Slope Stability	LS Ma	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.928118 ° -121.326338 °	37.927970 ° -121.326007 °	11 Y
DWR ID: DWR_RD0404_01_s_2012_11										
21	1.98	1.98	Earthen Levee	Trim / Thin Trees	WSA/W Ma	T1	Trim trees to at least five feet above ground level.	37.924055 ° -121.323195 °	37.924055 ° -121.323195 °	99
DWR ID: DWR_RD0404_01_s_2012_99										
22	1.99	1.99	Earthen Levee	Encroachments	WS Ma	M	TR : Tree or limb Inspector Comments: Downed trees on waterside slope.	37.923817 ° -121.323130 °	37.923817 ° -121.323130 °	98 Y
DWR ID: DWR_RD0404_01_s_2012_98										
23	2.33	2.33	Earthen Levee	Trim / Thin Trees	WS Ma	N	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside toe.	37.920585 ° -121.318850 °	37.920585 ° -121.318850 °	97 Y
DWR ID: DWR_RD0404_01_s_2012_97										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	2.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking north at typical view of levee waterside.

richard\_s\_20120517\_414.jpg



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	2.35
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking north at typical view of levee landside.

richard\_s\_20120517\_413.jpg



Levee Mile Report Line	6
Start Levee Mile	0.03
End Levee Mile	0.48
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking north at modest vegetation on landside and waterside slopes.

richard\_s\_20120313\_644.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking south modest vegetation on waterside slope.

richard\_s\_20120313\_648.jpg



Levee Mile Report Line	8
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of Site. Progressing pocket erosion visible.

richard\_s\_20120313\_640.jpg



Levee Mile Report Line	8
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

richard\_s\_20120313\_641.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
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**\*\* Rating**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

richard\_s\_20120313\_642.jpg



Levee Mile Report Line	8
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site

richard\_s\_20120313\_643.jpg



Levee Mile Report Line	9
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion from LM 0.24 to 0.27

richard\_s\_20120313\_645.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2012

### Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion at LM 0.27

richard\_s\_20120313\_646.jpg



Levee Mile Report Line	10
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking northwest at toe erosion on waterside.

richard\_s\_20120313\_659.jpg



Levee Mile Report Line	11
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking northwest at bamboo on waterside toe.

richard\_s\_20120313\_658.jpg



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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at erosion on waterside slope.

richard\_s\_20120313\_656.jpg



Levee Mile Report Line	12
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at erosion on waterside slope.

richard\_s\_20120313\_657.jpg



Levee Mile Report Line	13
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at elderberry on landside slope.

richard\_s\_20120313\_647.jpg



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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southwest at minor slope sliding on waterside slope.

richard\_s\_20120313\_652.jpg



Levee Mile Report Line	19
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southeast at minor slope sliding on waterside slope.

richard\_s\_20120313\_653.jpg



Levee Mile Report Line	20
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at minor slope damage on landside slope cause by vehicle traffic.

richard\_s\_20120313\_649.jpg



**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

Ma : Maintenance Deficiency  
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En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	20
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at slope damage on landside slope cause by vehicle traffic.

richard\_s\_20120313\_650.jpg



Levee Mile Report Line	20
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking east at slope damage on landside slope.

richard\_s\_20120313\_651.jpg



Levee Mile Report Line	22
Start Levee Mile	1.99
End Levee Mile	1.99
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree on waterside slope.

richard\_s\_20120313\_655.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	23
Start Levee Mile	2.33
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dead tree on waterside toe.

richard\_s\_20120313\_654.jpg



**\* Location**

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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2012 - 3/27/2012			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 French Camp Slough							Right	1.76	03/27/2012 03/27/2012	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1	0.00	0.68	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M <sub>Ma</sub>	C2 : Regrade the crown roadway for proper drainage. Inspector Comments: Several pot holes notice on crown.	37.920308 ° -121.318308 °	37.919267 ° -121.307637 °	7	
DWR ID: DWR_RD0404_02_s_2012_7											
2	0.11	0.11	Earthen Levee	Erosion / Bank Caving	WS	M <sub>Ma</sub>	E2 : Schedule repair of erosion site prior to the next inspection.	37.919207 ° -121.316852 °	37.919207 ° -121.316852 °	75 Y	
DWR ID: DWR_RD0404_02_s_2012_75											
3	0.12	0.15	Earthen Levee	Trim / Thin Trees	WS	N <sub>Ma</sub>	T5 : Tree stumps. Inspector Comments: Remove three dead trees on waterside slope and toe.	37.919090 ° -121.316733 °	37.918753 ° -121.316440 °	74 Y	
DWR ID: DWR_RD0404_02_s_2012_74											
4	0.19	0.35	Earthen Levee	Animal Control	LS	A/W <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919543 ° -121.311432 °	37.918935 ° -121.313335 °	3	
DWR ID: DWR_RD0404_02_s_2012_3											
5	0.23	0.23	Earthen Levee	Trim / Thin Trees	WSA/W	Ma	T1 : Trim trees to at least five feet above ground level.	37.918217 ° -121.315232 °	37.918217 ° -121.315232 °	73	
DWR ID: DWR_RD0404_02_s_2012_73											
6	0.29	0.32	Earthen Levee	Trim / Thin Trees	WS	N <sub>Ma</sub>	T5 : Tree stumps. Inspector Comments: Remove several dead trees on waterside slope and toe.	37.918447 ° -121.314213 °	37.918693 ° -121.313780 °	72 Y	
DWR ID: DWR_RD0404_02_s_2012_72											
7	0.36	0.36	Earthen Levee	Trim / Thin Trees	WS	N <sub>Ma</sub>	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside slope	37.919025 ° -121.313245 °	37.919025 ° -121.313245 °	71 Y	
DWR ID: DWR_RD0404_02_s_2012_71											
8	0.41	0.44	Earthen Levee	Trim / Thin Trees	WS	N <sub>Ma</sub>	T5 : Tree stumps. Inspector Comments: Remove dead trees on waterside slope.	37.919425 ° -121.312400 °	37.919508 ° -121.311965 °	70	
DWR ID: DWR_RD0404_02_s_2012_70											
9	0.48	0.48	Earthen Levee	Animal Control	LS	A/W <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919525 ° -121.311193 °	37.919525 ° -121.311193 °	8	
DWR ID: DWR_RD0404_02_s_2012_8											
10	0.48	0.48	Earthen Levee	Encroachments	WS	M <sub>Ma</sub>	TR : Tree or limb Inspector Comments: Downed tree limb on waterside shoulder.	37.919588 ° -121.311193 °	37.919588 ° -121.311193 °	69 Y	
DWR ID: DWR_RD0404_02_s_2012_69											
11	0.74	0.74	Earthen Levee	Encroachments	LS	M <sub>Ma</sub>	TR : Tree or limb	37.919178 ° -121.306468 °	37.919178 ° -121.306468 °	58	
DWR ID: DWR_RD0404_02_s_2012_58											
12	0.74	0.74	Earthen Levee	Encroachments	LS	M <sub>Ma</sub>	TR : Tree or limb Inspector Comments: Downed tree limb on landside slope.	37.919205 ° -121.306495 °	37.919205 ° -121.306495 °	5 Y	
DWR ID: DWR_RD0404_02_s_2012_5											
13	0.80	0.80	Earthen Levee	Trim / Thin Trees	WSA/W	Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	37.918695 ° -121.305935 °	37.918695 ° -121.305935 °	57	
DWR ID: DWR_RD0404_02_s_2012_57											

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough					Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

  

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
14	0.82	0.91	Earthen Levee	Vegetation	LS A/W Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.918320 ° -121.305740 °	37.917162 ° -121.305285 °	4
							DWR ID: DWR_RD0404_02_s_2012_4		
15	0.89	0.89	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside shoulder and slope.	37.917280 ° -121.305365 °	37.917280 ° -121.305365 °	68 Y
							DWR ID: DWR_RD0404_02_s_2012_68		
16	1.13	1.13	Earthen Levee	Encroachments	WS M Ma	EQ : Equipment Inspector Comments: Abandoned pump stand in channel and 3-4" steel pipe below flood elevation should be removed.	37.916340 ° -121.301898 °	37.916340 ° -121.301898 °	66 Y
							DWR ID: DWR_RD0404_02_s_2012_66		
17	1.13	1.18	Earthen Levee	Animal Control	LS A/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.916347 ° -121.301887 °	37.916497 ° -121.301095 °	11
							DWR ID: DWR_RD0404_02_s_2012_11		
18	1.13	1.13	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dense vegetation around pump house inside fenced area.	37.916337 ° -121.301888 °	37.916337 ° -121.301888 °	67 Y
							DWR ID: DWR_RD0404_02_s_2012_67		
19	1.18	1.18	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T4 : Trim trees over roadway to at least 12 feet above ground level.	37.916472 ° -121.301188 °	37.916472 ° -121.301188 °	65
							DWR ID: DWR_RD0404_02_s_2012_65		
20	1.23	1.23	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps. Inspector Comments: Dead tree on waterside slope.	37.917035 ° -121.300418 °	37.917035 ° -121.300418 °	63 Y
							DWR ID: DWR_RD0404_02_s_2012_63		
21	1.23	1.23	Earthen Levee	Animal Control	WSA/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes on waterside shoulder and slope. District grouting holes	37.917042 ° -121.300400 °	37.917042 ° -121.300400 °	64
							DWR ID: DWR_RD0404_02_s_2012_64		
22	1.44	1.44	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps. Inspector Comments: Dead tree on waterside slope should be removed.	37.918433 ° -121.297213 °	37.918433 ° -121.297213 °	62 Y
							DWR ID: DWR_RD0404_02_s_2012_62		
23	1.47	1.52	Earthen Levee	Encroachments	LS M En	FE : Fences	37.918440 ° -121.296707 °	37.918517 ° -121.295763 °	6 Y
							DWR ID: DWR_RD0404_02_s_2012_6		
24	1.47	1.53	Earthen Levee	Slope Stability	WS M Ma	S1 : Repair slope instability. Inspector Comments: There are several foot traffic erosion sites along the waterside slope.	37.918490 ° -121.296650 °	37.918518 ° -121.295690 °	1 Y
							DWR ID: DWR_RD0404_02_s_2012_1		
25	1.47	1.47	Earthen Levee	Erosion / Bank Caving	WS M Ma	E1 : Note and monitor erosion site. Inspector Comments: The hole appears to be a fire pit. District will determine if the hole is a fire pit or sink hole. No visible pipe at this location.	37.918490 ° -121.296655 °	37.918490 ° -121.296655 °	2 Y
							DWR ID: DWR_RD0404_02_s_2012_2		

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough						Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
26	1.51	1.51	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.918535 ° -121.295980 °	37.918535 ° -121.295980 °	61
DWR ID: DWR_RD0404_02_s_2012_61										
27	1.55	1.55	Earthen Levee	Encroachments	WS	M Ma	EQ : Equipment Inspector Comments: Abandoned pump stand in channel should be removed and 3" galvanized pipe on waterside slope.	37.918397 ° -121.295110 °	37.918397 ° -121.295110 °	60 Y
DWR ID: DWR_RD0404_02_s_2012_60										
28	1.76	1.76	Earthen Levee	Trim / Thin Trees	WSA/W	T1 Ma	T1 : Trim trees to at least five feet above ground level.	37.917302 ° -121.291778 °	37.917302 ° -121.291778 °	59
DWR ID: DWR_RD0404_02_s_2012_59										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at waterside slope erosion.

richard\_s\_20120313\_676.jpg



Levee Mile Report Line	3
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead trees on waterside slope.

richard\_s\_20120313\_674.jpg



Levee Mile Report Line	3
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at dead trees on waterside slope.

richard\_s\_20120313\_675.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.29
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

richard\_s\_20120313\_673.jpg



Levee Mile Report Line	7
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

richard\_s\_20120313\_672.jpg



Levee Mile Report Line	10
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southeast at downed tree limb on waterside slope.

richard\_s\_20120313\_671.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.74
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree limbs on landside slope.

richard\_s\_20120313\_660.jpg



Levee Mile Report Line	15
Start Levee Mile	0.89
End Levee Mile	0.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

richard\_s\_20120313\_670.jpg



Levee Mile Report Line	16
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

richard\_s\_20120313\_666.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 4-6" pipe on waterside slope.

richard\_s\_20120313\_667.jpg



Levee Mile Report Line	18
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

richard\_s\_20120313\_668.jpg



Levee Mile Report Line	18
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dense vegetation near pump station on landside toe.

richard\_s\_20120313\_669.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	20
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at several dead trees on waterside slope.

richard\_s\_20120313\_665.jpg



Levee Mile Report Line	22
Start Levee Mile	1.44
End Levee Mile	1.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

richard\_s\_20120313\_664.jpg



Levee Mile Report Line	23
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence at landside shoulder from LM 1.47 to 1.52

richard\_s\_20120313\_661.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	24
Start Levee Mile	1.47
End Levee Mile	1.53
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking south at one of several foot traffic erosion on waterside slope.

richard\_s\_20120330\_215.jpg



Levee Mile Report Line	25
Start Levee Mile	1.47
End Levee Mile	1.47
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at possible sink hole on waterside berm.

richard\_s\_20120330\_216.jpg



Levee Mile Report Line	27
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 3" pipe on waterside slope.

richard\_s\_20120313\_662.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	27
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

richard\_s\_20120313\_663.jpg



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